

United States Patent and Trademark Office  
- Sales Receipt -

05/05/2006 EDANTZLE 00000001 502898 10754302

01 FC:1253	1020.00 DA
02 FC:1814	130.00 DA

RECEIVED  
CENTRAL FAX CENTER

MAY 03 2006

CERTIFICATE OF MAILING 37 C.F.R. 1.8	
I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office in accordance with § 1.5(d) to: 571-273-8300, on the date below:	
May 3, 2006 Date	<i>[Signature]</i> Signature

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.: 10/754,302 Confirmation No.: 8313  
Applicant: Keith Alan Moriarty  
Filed: January 9<sup>th</sup> 2004  
TC/A.U. 3672  
Examiner: Nueder, William P.

Docket No.: 19,0321 US

Customer No.:

Title: METHODS OF CASING DRILING

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION FOR EXTENSION OF TIME TO RESPOND AND  
RESPONSE TO OFFICE ACTION DATED NOVEMBER 4, 2005**

Sir:

This is in response to the Office Action dated November 4<sup>th</sup> 2005, for which the three-month date for response is February 4<sup>th</sup>, 2006. A request for a three (3) month extension of the time to respond to the Official Action is hereby made, bringing the date for response to May 4<sup>th</sup> 2006. Please apply any charges not covered, such as the three-month extension fee, or any credits, to Deposit Account 50-2898 (Reference Number 19.0321).

Remarks/Arguments begin on page 2 of this paper.

Duplicate for Deposit Account<sup>†</sup>

Appl. No. 10/754,302  
Reply Dated May, 2006  
Reply to Office Action Dated November 4th, 2005

a direction opposite any rotation of the casing string, the second cutter device configured to rotate with the rotation of the casing string..." In fact, Chen teaches away from such a feature by providing that the bit and under-reamer are both coupled to the motor rotor shaft and therefore must turn in the same direction as they are fixed in position. Moreover, one skilled in the art would not seek to modify Chen as the entire disclosure is directed towards such a coupling. The modifications would require a re-think of the concept behind the design bent sub for directional drilling where our claims for this method intend to hold vertical using the counter-rotating principles as discussed.

Applicant also points out the differences between the pending claims and Chen referred to in the preceding paragraph. Applicant respectfully submits that it would not be obvious to one of ordinary skill to modify Chen, as Chen requires the bit and under-reamer are both coupled to the motor rotor shaft and thus must rotate in the same direction.

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. Applicant believes this reply to be fully responsive to all outstanding issues and place this application in condition for allowance. If this belief is incorrect, or other issues arise, do not hesitate to contact the undersigned at the telephone number listed below.

Date: 3-may-06

Respectfully submitted,



Victor H. Segura, Reg. No. 44,329  
Schlumberger Technology Corporation  
200 Gillingham Lane, MD #9  
Sugar Land, TX 77478  
Telephone: (281) 285-4562  
Facsimile: (281) 285-8821

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL**  
**for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$ 968

**Complete if Known**

Application Number

Filing Date

First Named Inventor

Moriarty

Examiner Name

Art Unit

Attorney Docket No.

19.0321

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

50-2898

STONEHOUSE SCHLUMBERGER  
TECHNOLOGY CORPORATION

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee  
to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$ 770

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
24	-20** = 4	18	72
Independent Claims	4	-3** = 1	86
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 158

\*\*or number previously paid, if greater. For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 850	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40

**SUBMITTED BY**

Name (Print/Type)	Registration No. (Attorney/Agent)	Telephone
Tim W. Curington	45,944	12812857067
Signature		Date 1-7-04

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.